

5. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 4], which comprises, as resin, an unhydrogenated styrene polymer, a methylstyrene-styrene copolymer, a pentadiene or cyclopentadiene copolymer, an α - or β -pinene polymer, colophony or colophony derivatives or terpene polymers and hydrogenated compounds thereof or a hydrogenated α -methylstyrene-vinyltoluene copolymer or if desired mixtures thereof.

6. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 5], wherein the hydrocarbon resin is present in an amount of from 1 to 15% by weight, based on the weight of the base layer.

7. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 6], wherein the wax is present in an amount of from 1 to 10% by weight, based on the weight of the base layer.

8. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 7], wherein the wax is a polyethylene wax having an Mw/Mn of from 1 to 2.

9. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 8], wherein the wax is a macrocrystalline paraffin wax.

10. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 9], which has a heat-sealable top layer of α -olefinic polymers on both sides.

11. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 10], wherein the polymer of the top layer(s) has been peroxidically degraded and the degradation factor is in the range from 3 to 15, preferably from 6 to 10.

12. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 11], wherein an interlayer of α -olefinic polymers has been applied to one or both sides between the base layer and the top layer(s).

13. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 12], wherein the thickness of the film is from 4 to 60 μm , in particular from 5 to 30 μm and preferably from 6 to 25 μm , where the base layer makes up from about 40 to 60% of the total thickness.

14. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 13], wherein the base layer comprises an antistatic, preferably a tertiary aliphatic amine.

15. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 14], wherein the top layer(s) comprises (comprise) a lubricant, preferably polydimethylsiloxane, and an antiblocking agent, preferably SiO_2 .

16. A polypropylene film as claimed in [one or more of] claim[s] 1 [to 15], wherein all layers of the film comprise neutralizer and stabilizer.

18. The use of a polypropylene film as claimed in [one or more of] claim[s] 1 [to 16] as a packaging film, preferably a cigarette wrapping film.